

CLAIMS:

1. A dynamic foil display device for displaying image information comprising a light source for generating light,

a light guide for transporting the generated light,

a plurality of controllably movable elements associated with the light guide for

5 locally bringing, in an active state, said movable element into contact with the light guide for coupling out light from the light guide so as to form a picture;

selection means comprising selection electrodes and data electrodes arranged in rows and columns respectively for controlling the movable elements in correspondence with received image information, wherein the selection electrodes are interconnected in a

10 first and a second group of rows;

and driving means being arranged to provide the image information to the selection means corresponding to the rows of the first group and the rows of the second group respectively, characterized in that the selection electrodes of the first group and the selection electrodes of the second group are distributed evenly in a lateral direction, parallel to a main

15 direction of the light flux in the light guide.

2. A display device as claimed in claim 1, wherein a selection electrode of the first group is located between neighbouring selection electrodes of the second group.

20 3. A display device as claimed in claim 1, wherein the display device comprises timing means for dividing a field period of the received display information into consecutive subfields having an addressing period preceding a display period, the timing means further generating with the field period a predetermined order of weight factors each associated with a corresponding one of the display periods; a light source driver which, upon receiving a

25 drive signal, activates the light source during the display period, and a driver circuit for supplying a drive signal corresponding to the weight factors.

4. A display device as claimed in claim 4, wherein the received display information comprises data words having binary coded weights, and the timing means are

adapted to generate the weight factors of the display periods within a field period so that each weight factor corresponds with one of the weights of the bits.

5. A display device as claimed in claim 5, wherein the light source comprises a
first light source of a first color and a second light source of a second color and the timing
means are further arranged for dividing the field period of the received display information
into consecutive first sub-field periods associated with the first color, and consecutive second
sub-field periods associated with the second color, and the drive circuit is further arranged for
supplying the drive signal corresponding to the weight factors to the light source with the
10 color associated with the sub-field period.

6. A display device as claimed in claim 1 wherein the display device comprises a
reflective element at the side of the light guide turned away from the movable element.

15 7. A display device as claimed in claim 1, wherein the light source comprises a
light emitting diode.

8. A display device as claimed in claim 1, wherein the light source comprises a
laser.

20 9. A method of driving a flat panel display in a sub-field mode, the flat panel
display comprising a plurality of picture elements arranged in a matrix of rows and columns,
selection electrodes and data electrodes associated with picture elements in a row or column,
and a light source for generating light, the display elements being arranged, when in an active
25 mode, for transmitting light from the light source in conformity with received display
information, the method comprising a step of sequentially addressing the selection electrode
in a first group and a second group respectively, characterized in that the method comprises a
further step of evenly distributing the addressed selection electrodes in a direction parallel to
the main direction of the light flux in the light guide.